



General

planar mechanisms
design, simulation and optimization
CAD-interface, DXF import/export

Modelling

beam, slider, spring, belt, gear
non-linear spring

positions, angle
and lengths
velocity,
acceleration,
force and torque
user
expressions

SYNTHESIS ANALYSIS MECHANISM

all geometry, multiple parameters
function or path

Analysis Results

SAM

Optimization

composition of
standard
profiles
textfile
multiple
actuators

MECHANISM DESIGN

angle-function generation
4-bar mechanisms
exact linear guiding

Input Motion

Design wizards



SAM APPLICATION AREA

AGRICULTURE MACHINES
AUTOMATION MACHINES
CONSTRUCTION EQUIP.
TEXTILE MACHINES
GARMENTMACHINES
MACHINE BUILDING
BULK HANDLING
MINERAL PROCESSING

AUTOMOBILE INDUSTRIES
DEM INDUSTRIES
PRINTING MACHINES
PACKAGING MACHINES
PLASTIC MACHINES
RUBBER MACHINES
TESTING MACHINES
SPACE MACHINES

MARINE EQUIPMENT
SHIP BUILDING
CHEMICAL PLANT
THERMAL PLANT
FOOD PROCESSING
EFFLUENT TREATMENT
WATER TREATMENT
NUCLEAR EQUIPMENT

POLYTECHNIC COLLEGE
ENGINEERING COLLEGE
ENGINEERING UNIV.
RESEARCH ORG.
INDUSTRY ENGINEERS
RESEARCH SCHOLAR

KINEMATIC ANALYSIS

KINETOSTATIC ANALYSIS

ANALYSIS & OPTIMIZATION

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